

Listing of Claims:

1-20 (Canceled)

21. (New) A method of simulating the deformation of a non-articulated wiper arm, the method comprising:

providing parameters of a desired target form of the non-articulated wiper arm in the form of electric signals to a digital circuit that performs arithmetic and logical operations (an arithmetic-logic unit), the arithmetic-logic unit simulating a deformation of a simulated model of the non-articulated wiper arm where a counter force opposes an initial force;

increasing the counter force in several steps up to an end value;

generating parameters of the form of the simulated model that is created under the effect of the counter force when the counter force is at the end value (the "assumed form parameters"); and

determining a virtual blank form of the non-articulated wiper arm based on the assumed form parameters.

22. (New) A method as in claim 21, further comprising simulating elasticity properties of the non-articulated wiper arm using the virtual blank form of the non-articulated wiper arm.

23. (New) A wiper arm manufactured according the method of claim 21.

24. (New) A method as in claim 21, wherein simulating a deformation includes performing a finite element analysis.

25. (New) A method of simulating the deformation of a non-articulated wiper arm, the method comprising:

providing parameters of a desired target form of the non-articulated wiper arm in the form of electric signals to a digital circuit that performs arithmetic and logical operations (an arithmetic-logic unit), the arithmetic-logic unit simulating a deformation of a simulated model of the non-articulated wiper arm where a counter force opposes an initial force;

increasing the counter force in several steps up to an end value, wherein in each step a current counter force is aligned perpendicular to a surface of the simulated model of the non-articulated wiper arm;

generating parameters of the form of the simulated model that is created under the effect of the counter force when the counter force is at the end value (the "assumed form parameters"), where the assumed form parameters represent information about a blank form of the non-articulated wiper arm;

determining a virtual blank form of the non-articulated wiper arm based on the assumed form parameters; and

simulating elasticity properties of the non-articulated wiper arm using the virtual blank form of the non-articulated wiper arm.

26. (New) A wiper arm manufactured according the method of claim 25.

27. (New) A method as in claim 25, wherein simulating a deformation includes performing a finite element analysis.

28. (New) A method of simulating the deformation of a non-articulated wiper arm, the method comprising:

providing parameters of a desired target form of the non-articulated wiper arm, which the non-articulated wiper arm is supposed to assume under the effect of an initial force representing a counter force to a bearing force of the non-articulated wiper arm, wherein the parameters are provided in the form of electrical signals to a digital circuit that performs arithmetic and logical operations, wherein the digital circuit comprises at least one arithmetic-unit, wherein the arithmetic-unit simulates a deformation of a simulated model of the non-articulated wiper arm using a finite element method where a counter force opposes an initial force;

increasing the counter force in several steps up to an end value;

generating parameters of the form of the simulated model that is created under the effect of the counter force when the counter force is at the end value; and

determining a virtual blank form of the non-articulated wiper arm based on the generated parameters of the form of the simulated model.